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NOTICE OF ALLOWANCE AND FEE(S) DUE

26646 7590 11/05/2009

KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004 EXAMINER

SHEVIN, MARK L

ART UNIT PAPER NUMBER

1793 DATE MAILED: 11/05/2009

 APPLICATION NO.
 FILING DATE
 HERST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFERMATION NO.

 10/533 607
 11/05/2005
 Tadabil bibliowa
 52433/94
 4087

TITLE OF INVENTION: METHOD OF IMPROVEMENT OF TOUGHNESS OF HEAT AFFECTED ZONE AT WELDED JOINT OF STEEL PLATE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/05/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	ed below or directed oth	ng the Patent, advance onerwise in Block 1, by (rders and notification a a) specifying a new co	of mai	intenance fees wondence address;	ill be and/o	mailed to the current (b) indicating a sepa	com	espondence address as "FEE ADDRESS" for
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									(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	TOR		ATTORNEY DOCKET NO. CONFIRMATIO		ONFIRMATION NO.	
10/533,607	11/03/2005		Tadashi Ishikawa			52433/794		4087	
		VEMENT OF TOUGHN							
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE P	REV. PAID ISSUE	S FEE	TOTAL FEE(8) DUE		DATE DUE
nonprovisional	NO	\$1510	\$300	_	\$0		\$1810		02/05/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
SHEVIN,		1793	I48-558000						
1. Change of correspondence address or indication of "Fee Address" (3 CFR, 1863). Change of correspondence address (or Change of Correspondence Address form FTOSB 12.2) antached. "Fee Address" indication for "Fee Address" Indication form FTOSB 47; Rev 03-02 or more recent) attached. Use of a Custom Number is required.			(2) the name of a s registered attorney	of up to 3 registered patent attorneys alternatively, f a single firm (having as a member a rney or agent) and the names of up to then attorneys or agents. If no name is					
3. ASSIGNEE NAME A PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSIGNAME Please check the appropri	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee detion of this form is NO	data will appear on th IT a substitute for filing (B) RESIDENCE: (C	ne pate g an ass ITY ar	ent. If an assign signment. nd STATE OR C	OUNT	'RY)		
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4a. The following fee(s) Issue Fee	are submitted:	4	 b. Payment of Fee(s): (l A check is enclose 		irst reapply at	ıy pre	lously paid issue fee	snow	n above)
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Advance Order -	# of Copies		The Director is her overpayment, to D	reby a Deposit	uthorized to char Account Numbe	ge the	required fee(s), any de (enclose a	ficie: in ext	ncy, or credit any ra copy of this form).
5. Change in Entity Sta	tus (from status indicate is SMALL ENTITY statu		☐ b. Applicant is no	longer	r claiming SMAI	LEN	ITTY status. Sec 37 C	FR 1.	27(g)(2).
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req	uired) will not be accepte tes Patent and Trademark	ed from anyone other the	an the	applicant; a regi	stered.	attorney or agent; or the	ne ass	ignee or other party in
Authorized Signature					Date				
Typed or printed name			Registration No						
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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DATE MAILED: 11/05/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/533,607	11/03/2005	Tadashi Ishikawa	52433/794 4087			
26646 7	590 11/05/2009		EXAMINER			
KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004			SHEVIN, MARK L			
			ART UNIT PAPER NUMBER			
			1793			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 111 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 111 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/533,607 ISHIKAWA ET AL. Notice of Allowability Examiner Art Unit MARK I SHEVIN 1793 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to claims filed 07/02/2009. The allowed claim(s) is/are 1-3 and 5-8. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material

/Mark L. Shevin/

9. ☐ Other .

Art Unit: 1793

DETAILED ACTION

Status of Claims

Claims 1-3 and 5-8, filed July 2nd, 2009, are currently under examination. Claims
 1-3 are amended, claim 4 is cancelled, and claims 5-8 are new.

Allowable Subject Matter

Claims 1-3 and 5-8 are allowed.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

Regarding independent claims 1 and 2, the closest prior art of Statnikov (US 6,338,765) and IIW (S. Statnikov, Guide for Application of...) does not teach or suggest impacting the welded joint of a steel plate using an ultrasonic vibration tool having pins with the claimed diameter nor does the prior art teach making the average longitudinal axis of crystal grains equal to that of the prior grain size at ¼ thickness for the reasons as stated by Applicants (p. 5, para 3 of the July 2, 2009 response).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark L. Shevin whose telephone number is (571) 270-3588 and fax number is (571) 270-4588. The examiner can normally be reached on Monday - Friday, 8:30 AM - 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy M. King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-830.

/Mark L. Shevin/ Examiner, Art Unit 1793

> October 29th, 2009 10-533,607

/George Wyszomierski/ Primary Examiner Art Unit 1793